Iowa Department of Administrative Services
Government's Partner in Achieving Results

Governor Terry E. Branstad
Lt. Governor Kim Reynolds

Mike Carroll, Director

DAS

# Concept Paper # 217

Presented to the Department of Administrative Services (DAS)
Date Prepared:  __8/28/2012_____

Name of document to be reviewed:

*(Please check one item listed in the following two sections)*

Document for review and approval:

| | |
|---|---|
| __ **Request for Proposal (RFP)** | __ **Sole Source Procurement** |
| __ **Request for Service (RFS** | __ **Statement of Work** |
| __ **Request for Quote (RFQ)** | _**X Staff Augmentation** |
| __ **Invitation to Qualify** | __ **Master Agreement Purchase** |

*NOTE: Sole source procurements will also need authorization from DAS Procurement for this type of purchase.  Please also contact DAS Procurement at this location:*
*http://das.gse.iowa.gov/procurement/solesource%202010.pdf*

Document for review only:

__ **Master Agreement**                              __ **Request for Information (RFI)**

Agency:   _Department of Natural Resources_____

**RFP Reference #:**

**Release Date: October 5, 2012**

**This project is requesting IOWAccess funds:** Yes ___          No _XX__

*NOTE: IOWAccess concept papers are to be sent to Wes Hunsberger ( Wes.Hunsberger@iowa.gov ) for an internal DAS review.*

**Projected cost over $50,000?**                Yes _XX__     No ___

**Projected agency staff hours over 750?**        Yes ___     No _XX__

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**Project Cost, Funds and Funding Source:**

Please list the internal and external resources/costs for the purchase:

Internal Resources/Costs:  Funding for the positions are from federal grant sources (EPA Exchange Network Grant, other EPA annual funding to the department and fees associated with Wastewater and Water Supply permits).

External Resources/Costs:

**Timelines:** October 31, 2012 through October 30, 2013

**Goal:**  Transition 5 existing contracted staff for ongoing Application Support (3 full time and 2 part time)

**Background:** DNR has approximately 130 applications in our portfolio which are maintained and supported by 8 FTE application developers.   Several of the applications require continuous, ongoing support due to the volume of federal changes to the program.  In order to adequately support DNR applications, we have used staff augmentation as a way to leverage federal funding for the support, maintenance and enhancement of many of our applications. The following positions will need to be sustained through FY13:

**1)** .Net Application developer: Responsible for architectural design and project management as the developer for Network Exchange Node.  Fulltime

**2)** Java and .Net Application developer: Responsible for implementation of EPA software releases for the Safe Drinking Water Information System (SDWIS is a Java/Oracle application) and related applications like Lab to State (.Net).  Fulltime.

**3)** .Net Application developer: Responsible for system enhancements for approximately 12 applications. Fulltime.

**4)** .Net Application developer: Responsible for architectural work for enhancements to approximately 12 applications.  Developer provides recommendations on DNR design and development processes, tools and standards and mentors DNR staff for knowledge transfer.   This part time position is on an as needed basis and anticipated to be approximately 600 hours per year.

**5)** .Net Application developer: Providing part time support the Special Events application. This part time position is on an as needed basis and expected to be less than 100 hours per year.

**Expected Results:**

What are the tangible and intangible benefits of this purchase for this agency and/or state government?

Approximately 65% of all DNR application development relates to publicly accessible applications to allow the public to view environmental quality information in Iowa.  For some permit areas DNR has implemented online permitting (Wastewater, Storm Water and Water Use). These resources all directly link to/support public view DNR applications. The intangible benefit is a better educated population about air, water and land quality in Iowa.

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Can these benefits be quantified in financial terms?  If yes, please explain.
It is difficult to quantify the impact of making environmental data available to the public but it is very beneficial to developers to have access to Underground Storage Tank and Contaminated Sites information.  The online permitting systems make the application process easier and quicker for both state staff managing the permits and for facilities to apply.

How will you be more effective as a result of this purchase?
Application enhancements are often a page redesign to make the application easier to use or the creation of a report to provide better access to the data. Staff are often more efficient as a result of system improvements. Enhanced ease of use promotes increased public access, allowing more Iowans the capability to retrieve data or obtain permits faster and easier.

How will service to your customers be enhanced as a result of this purchase?  One example is when the DNR application provides better information to the public about the status of permit applications the public (regulated facility) saves time tracking down the status of the application or finding information about the permit expiration date.

**Testing and Acceptance:**   DNR has a defined testing and acceptance process that documents the testing results for each item, formal acceptance signoff process and a Change Advisory Board for review of the move to production.

**Some of the Interested Parties:**  Private industry, environmental groups, federal government (EPA), local government and citizens

**Some of the Recipients of this Service:** Private industry, environmental groups, local governments, and citizens

**Standards:** DNR follows all enterprise standards for new web application development.

**Architecture:**  Primarily .Net/MS SQL Server except the SDWIS (Safe Drinking Water) application which has an architecture of Java/Oracle

**Business Continuity / Disaster Recovery:**  All applications which would be developed/maintained by these contracted resources (except for SDWIS) run on the ITE Hosted IIS application servers and DNR is dependent upon ITE for backup and recovery services.  DNR uses ITE Subversion SVN repository for all source code management.

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**State CIO's action:**
Authorize this IT procurement                       Yes __X__   No _____

State CIO's signature and date:

**The above IT procurement concept approved by Bob von Wolffradt on __9/18/12__**

Comments:  **None.**

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